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Records Series Title	<del>DEPARTMENT OF HEALTH AND HUMAN SERVICES - LABORATORY</del> <del>GENERAL SERVICES ADMINISTRATION, REC. 101-101</del>
Accession No.	484-51-0176
File Code No.	15-11-14
Carton No.	4/83
Folder No.	HEALTH & SAFETY - GENERAL
Notes	
Found By	ANDY MUGRIDGE
Date	

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715617

LAWRENCE BERKELEY LABORATORY  
Bldg.: Room: Ext.:

September 25, 1981

MEMORANDUM

TO: Mark Owens  
FROM: Ralph H. Thomas  
SUBJECT: Attached Extract from Transcript

Mark, all we have been able to find is the following reference to published work:

J.G. Hamilton "The Use of Radioactive Traces in Biology and Medicine" Radiology 39 541 (1942).

*RHT*  
Ralph H. Thomas  
Deputy Division Head  
for Health & Safety  
Engineering & Technical  
Services Division

RHT/kb

Attachment

REC'D ADMINISTRATION  
SEP 25 1981

3006769

**DOCUMENT SOURCE**  
Lawrence Berkeley Laboratory  
Archives and Records Office

Records Series Title DIRECTOR'S OFFICE - LBL ASSOCIATED LABS -  
~~GENERAL DIRECTOR'S OFFICE FOR ADMINISTRATION, RESEARCH, AND~~

Accession No. 434-91-0176

File Code No. 15-11-14

Carton No. 4/53

Folder No. HEALTH PHYSICS - GENERAL

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Dates \_\_\_\_\_

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MEMO ROUTE SLIP Form ERDA-93 (1-75) ERDAM 0240		See me about this. Note and return.	For concurrence. For signature.	For action. For information.
TO (Name and unit) <b>Mark Owens LBC</b>	INITIALS  DATE	REMARKS <i>Per telephone call of this date - please advise as to "thyroid uptake studies" referred to in attached material:</i>		
TO (Name and unit)	INITIALS  DATE	REMARKS <i>1) What does LBC have? 2) How soon it can be available?</i>		
TO (Name and unit)	INITIALS  DATE	REMARKS  <i>NCRP PUBLICATION 55.</i>		
FROM (Name and unit) <b>Don Liddell SAN/OCC</b>	REMARKS <i>Refs J &amp; HAMILTON 1942 RAD. 39, 54 CHAMMAN &amp; EVANS RD 1946 J. Amer Med Ass 131, 86</i>			
PHONE NO. <b>536-4254</b>	DATE <b>9/6/81</b>			

USE OTHER SIDE FOR ADDITIONAL REMARKS

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Records Series Title DIRECTOR'S OFFICE - ILL ASSOCIATED LAB -  
CRIMINAL DISCIPLINE FOR ADMINISTRATION, 1941-1957

Accession No. 434-91-0176

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Folder No. HEALTH & SAFETY - GENERAL

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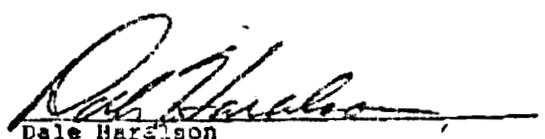
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- 1 - #55

- 1 4. All documents relating to the "thyroid uptake
- 2 studies" conducted at Berkeley which were mentioned at
- 3 Vol. I, page 150;
- 4 5. The "evidence about 1950" mentioned by Mr.
- 5 Potter (Vol. I, page 151) that thyroid cancer was produced by
- 6 radiiodine doses;
- 7 6. All documents concerning the thyroid studies
- 8 done in the 1940's which were mentioned by Dr. Payne Harris
- 9 (Vol. I, Page 151).
- 10 7. The "special reports" prepared after the Simon
- 11 shot (Vol. I, page 171);
- 12 8. The report concerning the two men who were
- 13 heavily exposed while putting up outdoor advertising near
- 14 Bunkerville, Nevada during the Simon shot (Vol. I, page 135);
- 15 9. All monitors logs relating to the Sedan shot
- 16 (Vol. II, page 198);
- 17 10. The documents containing the calculations described
- 18 by Dr. Seal on pages 84, 84 and 86 of Vol. II.

19 DATED this 13<sup>th</sup> day of July, 1981.

21 HARALSON, KINERK & MOREY, P.C.

22 

23 Dale Haralson  
24 82 South Stone Avenue  
25 Tucson, Arizona 85701  
26 Attorneys for Plaintiffs

27 3006771

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Records Series Title	<u>DIRECTOR'S OFFICE - LBL ASSOCIATED LABS</u>
Accession No.	<u>434-21-0176</u>
File Code No.	<u>15-11-14</u>
Carton No.	<u>4/33</u>
Folder No.	<u>HEALTH PHYSICS - GENERAL</u>
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-2-#55

JOHNSON: Well, but there was not an analytical procedure and that's what made me to believe that there was not a heck of a lot of work going on.

POTTER: There was a lot of work with radiiodine at Berkeley, LBL. In Berkeley they were doing thyroid uptake studies. There were a number of physiological studies on thyroid uptake curves in rats, dogs. Clinically, it was being used for thyroidectomies. Hamilton's lab was doing a heck of a lot of work with the old cyclotron in Berkeley. There was a lot of stuff in the literature so it had to be picked up someplace. And people were also concerned about strontium and cesium in milk too.

CHURCH: One of the reasons I bring that up is that there seems to have been a long, lingering controversy about radiiodine. Even as late as 1957, the National Academy of Sciences formed a committee to look into that. They said it couldn't possibly be a problem because the half-life was too short.

POTTER: That was Hardin B. Jones that said that. They reinforced it, but there was evidence about 1950 to thyroid cancer being produced by radiiodine doses. I have publications if you want to see them.

ANSPAUGH: I don't doubt you; I was just pointing out that there was a long, lingering controversy in people's viewpoints about whether there was or isn't a problem.

HARRIS: I can't remember the year, but as far as our milk studies were concerned, radiocesium-137, we were looking at. We did those particularly because the cow was such a good concentrator and collector of materials because of the way they graze. We set up sampling stations in 50 places around the world. And got 50-pound dry milk samples from these sampling stations. We looked at the cesium-137 in worldwide fallout. And we correlated the cesium-137 activity in the milk by this nondestructive testing method with the strontium-90. It had to be determined chemically at these various places. That was essentially the M-4 activity as far as milk sampling was concerned.

JOHNSON: I don't think you had a human counter in '53.

HARRIS: I don't think we had one then. It was built after that. We had one, prior to that time, not in connection with weapon tests, we had done some animal work as a result of other shots. As I remember, we didn't specifically look for iodine because we weren't firing that. But we used raw sources, and again it was nice to find some cows because they were a concentrated mechanism of doing this. Medical stuff for thyroid studies, I guess, were done as early as 1946 or '47. I was using 100 mic doses of iodine-131 to do studies on people. And 100 mics was the standard iodine-131 dose which, over the years, has been, of course, reduced quite extensively.

MILLER: In addition to taking the samples, did you try to find out where the milk from the St. George milkshed went?

JOHNSON: Yes. I think the report pretty much--have you seen the milk report?

MILLER: No. I have not.

JOHNSON: I think it pretty much indicates--well, here's Anderson Dairy, Las Vegas, Nevada, purchased in Las Vegas. St. George producers supply Anderson with some of its milk. Clark Dairy--Clark Dairy supplied by producers in Mesquite and Bunkerville. There is one--George Voelz, do you remember this one from a particular farm in Mesquite--Max Hafen? Most of the samples were purchased, but this came from the farm. Do you know him?

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Records Series Title DIRECTOR'S OFFICE - LB ASSOCIATED LABS  
~~GENERAL USE DIRECTOR'S OFFICE ADMINISTRATION, 1961-1982~~

Accession No. 434-91-0176

File Code No. 12-11-14

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Folder No. HEALTH SAFETY - GENERAL

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TO: Pete Bernard - Chief Counsel - SAN 8-536-4254  
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Records Series Title Scientists Papers John Lawrence

Accession No. 400 ~~100~~ 100A-2168

File Code No. 19-14-1

Carton No. 6

Folder No. 1954

Note: Rochester AEC Project

Found: Kaiser Permanente

Date: radioactive inhalation of alpha emitters

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VISIT REQUEST AND PASS APPROVAL			DATE	FILE NO.
			5/27/54	915-54
NAME	CLEARANCE	DATE	BADGE NUMBER	DURATION OF VISIT
STANFORD, Dr. J. Newell	17081518-NY	11/18/47		FROM 6/8/54
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				MEANS OF IDENTIFICATION
ORGANIZATION REPRESENTED	FACILITY VISITED	INDIVIDUAL(S) VISITED		
Univ. of Rochester AEC Project	DOONE LABORATORY, Berkeley	Dr. John Lawrence		
PURPOSE OF VISIT	OPERATIONAL APPROVAL			
Discussions of various phases of visitors research	J. J. King - 5/24/54			
	REQUESTED BY Form 1tr fr R. W. Kirkman 100 dtg 5/18/54			
	TYPE PASS ISSUED			
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3006774